

In the Claims:

1 1. (Currently amended) Insulation arrangement for pipes,
2 especially for pipes of a pneumatic system in a passenger
3 transport aircraft, which essentially comprises at least
4 one insulation layer ~~(6) as well as (6)~~, an outer sheath
5 consisting of titanium foil (31), and first and second
6 termination profiles, wherein ~~characterized in that~~ the
7 outer sheath (3) ~~is connected, in~~ has at least one
8 longitudinal seam (13) and a first end section (32) and
9 [[in]] a second end section (33), and said outer sheath is
10 connected at said first and second end sections
11 respectively with [[a]] said first and second termination
12 profile (7) and thereby profiles, whereby said outer sheath
13 and said termination profiles connected thereto form
14 a shell (9) ~~with at least one longitudinal seam (13) is~~
15 ~~formed,~~ into which ~~[[shell]]~~ the insulation layer (6) is
16 insertable.

1 2. (Currently amended) Insulation arrangement according to
2 claim 1, characterized in that [[the]] each said
3 termination profile (7) is embodied as a Z-profile, which
4 ~~is connected with~~ including an upper web (71) connected
5 with the titanium foil (31), and a middle web (72) as well
6 as a lower web (73) that form a receiver for receiving the
7 insulation layer (6).

Claims 3 to 10 (Canceled).

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- 1 11. (Previously presented) Insulation arrangement according to
2 claim 1, characterized in that the shell (9) is embodied as
3 a full shell, which is opened at the longitudinal seam (13)
4 and slipped over the pipe (2), and is closed by means of
5 joint webs (14, 14') provided on the longitudinal
6 seam (13).
- 1 12. (Currently amended) Insulation arrangement according to
2 claim 11, characterized in that ~~[[the]]~~ a connection on the
3 longitudinal seam (13) between the joint webs (14, 14') is
4 produced by ~~means of~~ adhesive bonding or welding.
- 1 13. (Previously presented) Insulation arrangement according to
2 claim 1, characterized in that the shell (9) is embodied as
3 two half shells, which comprise two longitudinal seams, the
4 two half shells are positioned on the pipe (2), and the
5 insulation is closed by means of joint webs (14, 14')
6 provided on the longitudinal seams.
- 1 14. (Currently amended) Insulation arrangement according to
2 claim 13, characterized in that ~~[[the]]~~ a connection on the
3 longitudinal seam (13) between the joint webs (14, 14') is
4 produced by ~~means of~~ adhesive bonding or welding.
- 1 15. (Currently amended) Insulation arrangement according to
2 claim 1, characterized in that a securing web (15) ~~for the~~
3 to produce a form-locking ~~securing of the secured~~

4 connection is provided ~~in the area of~~ on the longitudinal
5 ~~seam connection (13).~~ seam.

1 16. (Previously presented) Insulation arrangement according to
2 claim 1, characterized in that the titanium foil (31)
3 comprises a profiled or patterned configuration (4).

1 17. (Previously presented) Insulation arrangement according to
2 claim 1, characterized in that the outer sheath (3)
3 comprises outlet holes (5), warning wires (11) are arranged
4 above the outlet holes (5), and an anti-rotation securement
5 (8) is provided, which prevents a position change between
6 the pipe (2) and the shell (9).

1 18. (Currently amended) Insulation arrangement according to
2 claim 17, characterized in that the anti-rotation
3 securement (8) is ~~formed through~~ a partial adhesive
4 connection, ~~preferably~~ as a fillet joint seam (81) of a
5 temperature resistant adhesive or a paste between the
6 ~~outside~~ termination profile (7) and the pipe (2).

1 19. (Previously presented) Insulation arrangement according to
2 claim 1, characterized in that stiffening elements (12) are
3 at least partially applied onto the inner side of the
4 titanium foil (31).

1 20. (New) An insulation arrangement for thermally insulating a
2 pipe, said insulation arrangement comprising:

3 a cylindrical outer sheath comprising a titanium foil,
4 and having a longitudinal seam extending therealong in a
5 longitudinal direction, and a first end section and a
6 second end section at opposite first and second ends of
7 said outer sheath in said longitudinal direction;

8 a first termination profile positioned at said first
9 end and connected to said first end section and extending
10 radially inwardly from said outer sheath at said first end;

11 a second termination profile positioned at said second
12 end and connected to said second end section and extending
13 radially inwardly from said outer sheath at said second
14 end;

15 at least one layer of thermal insulation wool inserted
16 into said outer sheath through said longitudinal seam to
17 form a cylindrical insulation wool jacket adapted to
18 surround the pipe, wherein said cylindrical insulation wool
19 jacket is received and held by said termination profiles in
20 a cylindrical shell space bounded longitudinally between
21 said termination profiles and bounded radially inside said
22 outer sheath.

1 21. (New) The insulation arrangement according to claim 20,
2 wherein each said termination profile includes an outer web
3 extending along and connected to said outer sheath at a
4 respective one of said end sections, a middle web extending
5 radially inwardly from said outer web, and an inner web

6 extending in said longitudinal direction from a radially
7 inner end of said middle web, whereby said cylindrical
8 shell space is defined radially between said inner web and
9 said outer sheath, and said inner web serves to hold said
10 cylindrical insulation wool jacket in said cylindrical
11 shell space.

1 22. (New) The insulation arrangement according to claim 20,
2 wherein said termination profiles are connected to said
3 outer sheath by respective weld joints.

1 23. (New) The insulation arrangement according to claim 20,
2 wherein said termination profiles are not connected to the
3 pipe.

1 24. (New) The insulation arrangement according to claim 20,
2 further comprising an adhesive joint connecting said
3 termination profiles to the pipe.

1 25. (New) The insulation arrangement according to claim 20,
2 wherein said thermal insulation wool is fiberglass wool.

[RESPONSE CONTINUES ON NEXT PAGE]

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